

PRODUCT DATA SHEET

SikaPaver[®]-1163

(formerly MasterCast[®] 1163)

PCE based High Range Water Reducing Admixture for Pavers & Blocks (Wet Mix Method)

DESCRIPTION

SikaPaver[®]-1163 is an innovative multi-purpose super-plasticizer based on polycarboxylic ether polymers, specially developed for pavers blocks with low cement content. The product is suitable for the production of pavers, tiles manufactured by wet mix method. At the same time, SikaPaver[®]-1163 accelerates the strength development and reduces the cycle time whilst the appearance is maintained or even improved.

USES

- Masonry block units
- Pavers
- Plain cement tiles
- Cement Terrazzo tiles
- Concrete poles & pipes
- Cement roof tiles

CHARACTERISTICS / ADVANTAGES

- Increased early & later age strength
- Shorter curing & cycle time
- Less wear of moulds.
- Improved structure.
- Improved cohesion.
- Reduced water absorption.
- Applicable for all Portland and Slag cements.
- Reduced efflorescence.

PRODUCT INFORMATION

Packaging	220 kg drum
Shelf life	12months in undamaged, unopened , original sealed packaging.
Storage conditions	<p>SikaPaver[®]-1163 must be stored where temperatures do not drop below +5°C. If product has frozen, thaw at +5°C or above and completely reconstitute using mild mechanical agitation. Do not use pressurized air for agitation. Store under cover, out of direct sunlight and protect from extremes of temperature.</p> <p>Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult your local Sika representative.</p>
Appearance / Colour	Light brown liquid
Density	1.06 ± 0.01 at 25°C
pH-value	≥ 6

APPLICATION INFORMATION

Recommended Dosage	Optimum dosage of SikaPaver®-1163 should be determined with trial mixes. As a guide, a dosage range of 300ml to 800ml per 100kg of cementitious material is recommended as a starting point. Local production conditions and material types may necessitate dosages outside this range. Please consult your local Sika representative for further advice.
Dispensing	Mix the aggregates, the cement and 75% of the mixing water. Add the SikaPaver®-1163 together with the rest of the mixing water. After all ingredients are added continue mixing for 60 to 90 seconds.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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Product Data Sheet
SikaPaver®-1163
July 2024, Version 01.01
02140400000002019

SikaPaver-1163-en-IN-(07-2024)-1-1.pdf

